

Installing a Meridian 1 Attendant PC Unit

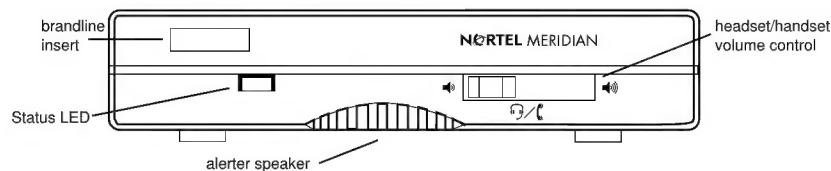
This document describes the Meridian 1 Attendant PC unit installation procedures. It also provides basic troubleshooting information for use during installation as well as future problem-solving by the system administrator. **Please do not discard this document.**

IMPORTANT: The attendant's PC must have the Attendant PC application software installed before the Meridian 1 Attendant PC unit is installed.

- Hardware
- PC Console Interface (Meridian 1 Attendant PC unit)
 - one system cable (DB25) that connects the Meridian 1 Attendant PC unit to the Meridian 1 MDF
 - one RS232 cable (DB9) that connects the Meridian 1 Attendant PC unit to the PC
 - Handset
 - Headset (optional; can be ordered separately)

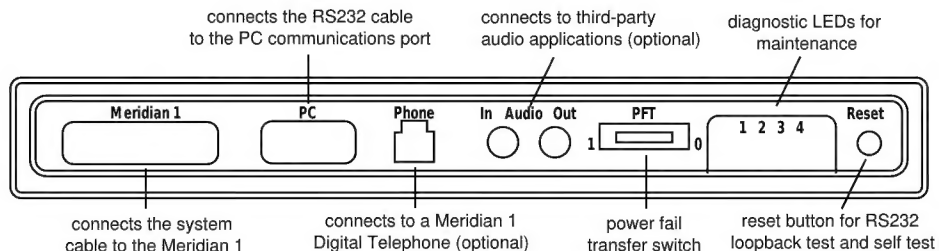
Installing the Meridian 1 Attendant PC Unit

1. It is recommended that you place the Meridian 1 Attendant PC unit flat on top of the PC and under the PC monitor, with the front panel facing forward, or in the case of a tower PC, flat on the desktop under the monitor.



Front Panel

2. Connect one end of the system cable to the Meridian 1 port on the back of the Attendant PC unit.
3. Connect the other end of the system cable to the Main Distribution Frame (MDF) connector.
4. Connect the RS232 cable from the Meridian 1 Attendant PC unit to the PC communications port.



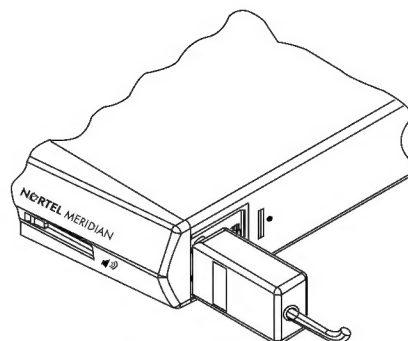
Rear Panel

5. Attach a headset to the RJ32 jack or a handset to the PJ327 2-prong connector jack on either side of the Meridian 1 Attendant PC unit. (Ensure that the brandline plate on the handset connector jack faces outward.)

Note 1: The Meridian 1 Attendant PC unit supports both amplified and non-amplified headsets.

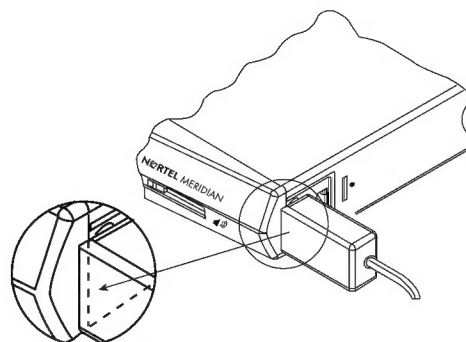
Note 2: The Meridian 1 Attendant PC does not support carbon type headsets or handsets.

Contact your Meridian 1 authorized distributor for further information on headsets and handsets.



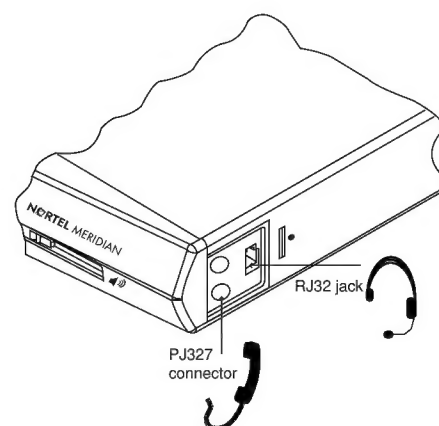
Correct PJ327 Insertion

(The jack fits snugly with the Meridian 1 Attendant PC unit.)



Incorrect PJ327 Insertion

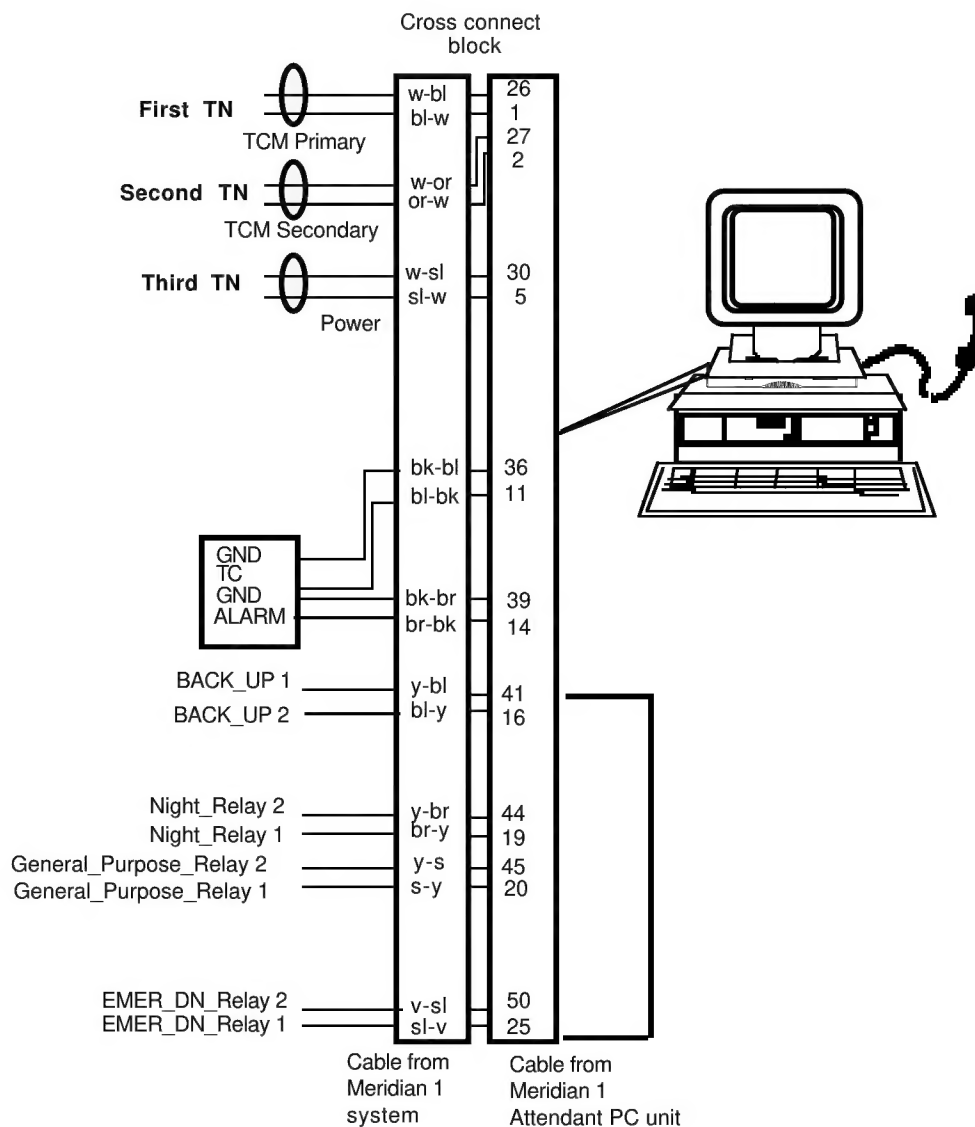
(The jack is not flush with the Meridian 1 Attendant PC unit.)



Connector Usage

Installing a Meridian 1 Attendant PC Unit

6. If a Power Fail Transfer Unit (PFTU) is available, connect the Power Fail Transfer pair (11 and 36 in the figure) from the MDF block to the PFTU.
7. If desired, install a Meridian Digital Telephone through the teledapt PHONE connector at the rear of the Meridian 1 Attendant PC unit using a 2-wire pair on the MDF block (BACK_UP 1 and BACK_UP 2 in the figure).
Note: The Meridian Digital Telephone can be used as a Night DN, or if the PC fails.
8. Connect the Night, General_Purpose, and EMER_DN relays to the MDF block as shown in the figure.
Note: LDN0 must be configured with EMER_DN for this relay to work properly.
9. Use the Audio Input/Output jacks to connect third-party audio applications (for example, a sound card).
 (See the application's user manual for instructions.)



Installing a Meridian 1 Attendant PC Unit

- Configuring the Meridian 1 Attendant PC Unit
1.

2.

3.

4.
- Make sure that there are three available ports on the digital line card.

In Overlay 12, configure the first two ports as the primary and secondary TNs using the same setup as the M2250 (refer to the *X11 Input/Output Guide*, and enter **2250** at the TYPE prompt to configure the Meridian 1 Attendant PC unit). Then configure the third unit as a power unit.

In Overlay 11, configure the fourth unit as a NIGHT_DN (if you installed a Meridian Digital Telephone in step 7 on page 3).

If you are using a PFTU, configure a TN in Overlay 10 using the same setup as the 500/2500 telephone (refer to the *X11 Input/Output Guide*).

- Completing the Installation
1.

2.

3.

4.

5.
- Place the PFT in the OFF position (I=On, 0=Off).

Ensure all Meridian 1 cross-connects to the Meridian 1 Attendant PC unit are wired at the MDF block (see the previous figure).

Connect the system cable to the MDF block.

Connect the RS232 cable to the PC communications port.

Launch the Attendant PC software application.
- Note:

If you experience a one way speech path, check all cross-connections, and make sure all connections are secure.

Self-Test and Diagnostics

When the Meridian 1 Attendant PC unit powers up, it performs a self-test diagnostic routine. The Status LED on the front of the Meridian 1 Attendant PC unit should turn red for 2 seconds and then turn solid green, and the Diagnostics LEDs on the rear of the Meridian 1 Attendant PC unit should flash once and then turn off.

If a failure occurs during the Meridian 1 Attendant PC unit's self-test diagnostic routine, the Status LED will change to yellow and the error will be indicated by which Diagnostics LEDs are illuminated. Contact your Meridian 1 authorized distributor to report the problem.

Note: Only one error can be indicated at a time, in priority-order from highest (1) to lowest (7).

LED#				Description	Priority
1	2	3	4		
Off	Off	Off	Off	Self-test passed	
On	Off	Off	Off	EEPROM failure	7
Off	On	Off	Off	Alerter micro failure	6
On	On	Off	Off	Port expander failure	5
Off	Off	On	Off	Loopback test failure	4
On	Off	On	Off	Secondary B07 failure	3
Off	On	On	Off	Primary B07 failure	2
On	On	On	Off	RAM failure	1

Troubleshooting	The Status LED indicates the current status of the Meridian 1 Attendant PC unit as follows: — Off indicates that there is no power going to the Meridian 1 Attendant PC unit. Contact your system administrator. — Solid green indicates that the Meridian 1 Attendant PC unit is operating normally. — Flashing green indicates that the Meridian 1 Attendant PC unit is in Night Service or Position Busy, the Power Fail Transfer Switch is in the incorrect position (it should be off), or the handset or headset is not connected properly. — Solid yellow indicates that a failure occurred during the Meridian 1 Attendant PC unit's self-test diagnostic routine. Contact your Meridian 1 authorized distributor to report the problem. — Solid red indicates that the Meridian 1 Attendant PC unit is not communicating properly with the PC. Contact your system administrator. — Flashing red is a major alarm indicating that a system-related error has occurred at the Meridian 1. Contact your system administrator.
Stand-Alone Test Procedure	1. Disconnect the system cable to power down the Meridian 1 Attendant PC unit and then disconnect the RS232 cable. 2. Connect pins 2 and 3 on the PC port at the rear of the Meridian 1 Attendant PC unit. 3. Power up the Meridian 1 Attendant PC unit by reconnecting the system cable and pressing the reset button at the rear of the unit. IMPORTANT: The reset button should only be used when performing this stand-alone test procedure with pins 2 and 3 on the PC port connected (as described in step 2). The Meridian 1 Attendant PC unit runs its self-test diagnostics and goes into run mode. (If the Meridian 1 Attendant PC unit fails the self-test, the Status LED will turn yellow and the Diagnostics LEDs will indicate what is wrong, as previously described in "Self-Test and Diagnostics.") 4. Disconnect the system cable to power down the Meridian 1 Attendant PC unit, reconnect the RS232 cable, and then reconnect the system cable. 5. If the Meridian 1 Attendant PC unit still fails to communicate with the PC, check the RS232 cable and the PC communication port settings.
Audio In/Out	The audio input/output jacks (3.5mm) are located on the rear panel. The input and output impedances are 600 Ω. These ports can be used to connect the Meridian 1 Attendant PC unit audio paths to external audio applications, under control of the PC application.